

**COMPLETED****POTENTIAL HAZARDOUS WASTE SITE****PRELIMINARY ASSESSMENT**

181745



LCP CHEMS/NEW JERSEY INC.

NJD079303020

**Site Name****EPA Site ID Number**

FOOT OF S WOOD AVENUE

02-8403-54

**Address** Linden, NJ**TDD Number****Date of Site Visit:** None Conducted**SITE DESCRIPTION**

LCP Chemicals/New Jersey Inc. produces chlorine by the electrolysis of brine using metallic mercury as an electrode. LCP brine sludge lagoon received mercury contaminated waste. The lagoon has a total surface area of about 62,500 ft<sup>2</sup> with a waste inventory, as of Feb. 1983 of 30,900 cubic yards. Adjacent to the brine sludge lagoon is a smaller experimental chem-fix lagoon in which LCP Chem-fix some of its mercury contaminated brine purification sludge over a three day period starting 18 Nov. 1976. NJDEP memo dated 3 Nov. '82 questioned the analysis of mercury in ground water and soils as presented in a review of waste lagoon groundwater monitoring.

**PRIORITY FOR FURTHER ACTION:** High      Medium X Low     **RECOMMENDATIONS**

The extent of mercury contamination and containment of the mercury contaminated brine mud in the sludge lagoons is uncertain at this time. Additional information on groundwater quality is needed in the area.

A site inspection is recommended.

**Prepared by:** Greg K. Scott  
**of NUS Corporation**

**Dates:** May 15, 1984



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NJ D079303020

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) LCP Chems/New Jersey Inc.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Foot of S. Wood Ave.			
03 CITY Linden	04 STATE NJ	05 ZIP CODE 07036	06 COUNTY Union	07 COUNTY CODE 039	08 CONG DIST 15
09 COORDINATES LATITUDE 40 38 00.0 N		LONGITUDE 074 15 00.0 W			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Proceed North on Highway 1-9 past the Linden Airport to South Wood Ave. Turn right on South Wood Ave.

III. RESPONSIBLE PARTIES

01 OWNER (If known) LCP Chemicals & Plastics, Inc.		02 STREET (Business, mailing, residential) P.O. Box 484			
03 CITY Linden	04 STATE NJ	05 ZIP CODE 07036	06 TELEPHONE NUMBER (201) 862-1666		
07 OPERATOR (If known and different from owner) William Fledderman		08 STREET (Business, mailing, residential) P.O. Box 484			
09 CITY Linden	10 STATE NJ	11 ZIP CODE 07036	12 TELEPHONE NUMBER (201) 862-1666		

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: \_\_\_\_\_ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL  
☐ F. OTHER: \_\_\_\_\_ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: \_\_\_\_\_ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: 06 / 09 / 81 ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 09 / 07 / 83 <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1900 1983 BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Brine muds contaminated with mercury.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

A low hazard potential exists, facility is in compliance with operating authorization.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (inspection required promptly) ☒ B. MEDIUM (inspection required) ☐ C. LOW (inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Mark Haulenbeek	02 OF (Agency/Organization) US EPA Region II	03 TELEPHONE NUMBER (201) 321-6685	
04 PERSON RESPONSIBLE FOR ASSESSMENT G.K. Scott	05 AGENCY	06 ORGANIZATION NUS Corp. FIT II	07 TELEPHONE NUMBER (201) 225-6160
		08 DATE 05 / 15 / 84 MONTH DAY YEAR	





POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D079303020

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Low potential exists. The waste material is of a dense and low permeable nature, no evidence of ground-water contamination in the saturated zone surrounding the facility has been reported from down-gradient wells adjacent to the lagoon.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Potential exists if leachate from the brine sludge lagoon reaches the South Branch Creek which feeds into the Arthur Kill. Brine sludge lagoon is directly adjacent to the South Branch Creek.

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Potential exists if dry brine sludge dust becomes airborne.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: None 04 NARRATIVE DESCRIPTION  
No potential exists.

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Low potential exists if mercury contaminated brine sludge leaves site as an airborne dust.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
(Across)  
Potential exists since the sludge lagoon is not lined.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Low potential exists since there is limited use of groundwater in this area.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Low potential exists, if mercury contaminated dust is inhaled or consumed.

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
Low potential exists, if mercury contaminated brine sludge leaves the site as an airborne dust.



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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER D079303020

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists via water contamination.

01 ☒ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists via water contamination.

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists via water contamination.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/leaking liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Potential exists since the sludge lagoon is not lined.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

No potential exists.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

No potential exists.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Waste site is on plant property so unauthorized dumping is unlikely.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

None

V. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

NJDEP Files